Army Spectrum Management Office (ASMO) Overview

Stu Timerman
Army Spectrum Manager
8 December 2009

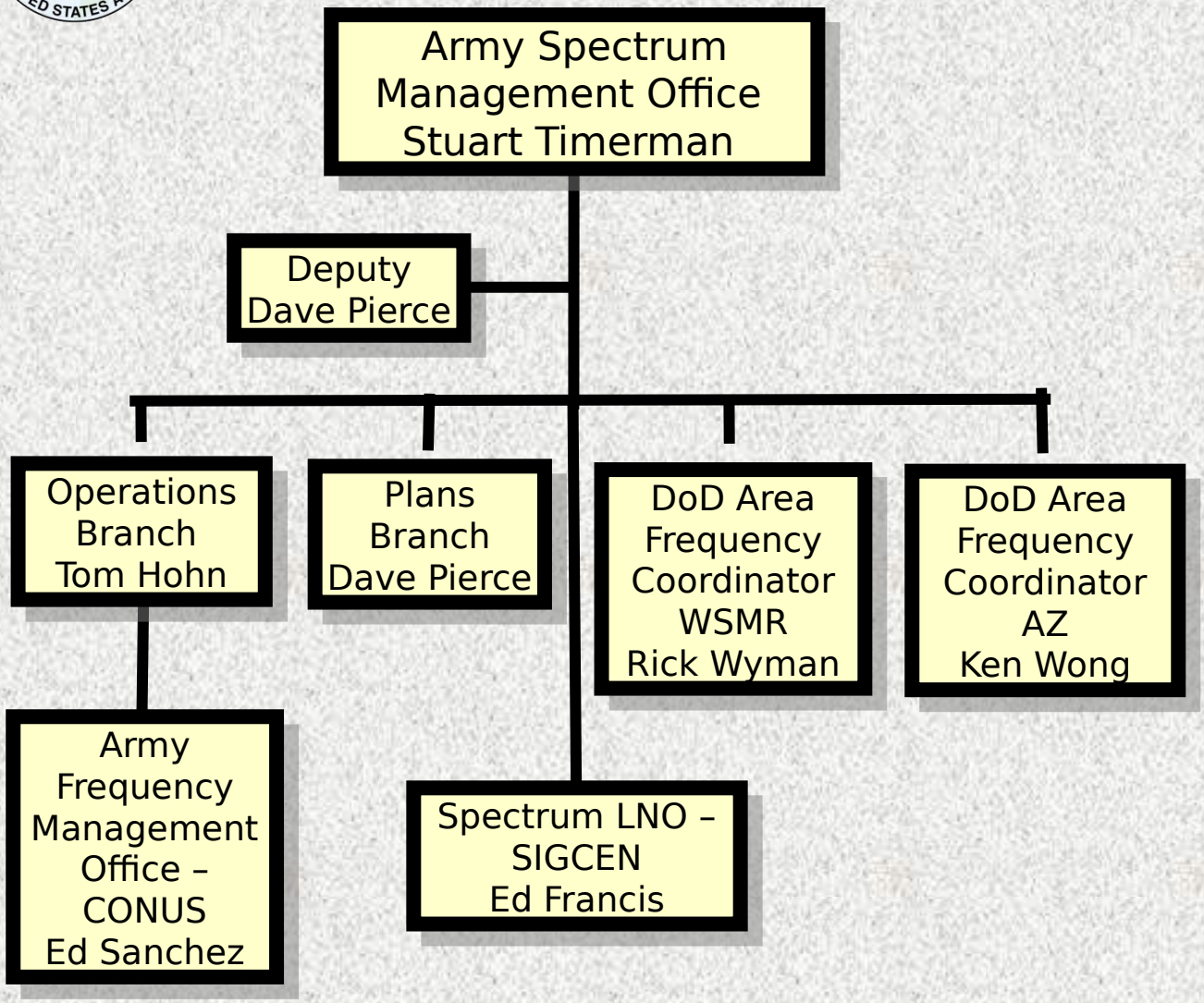
Purpose

- Provide a top-level overview of the ASMO Organization
- Provide an update on several ASMO initiatives

Mission

- Direct Army-wide spectrum management activities:
  - Assign frequencies in support of Army operations
  - Certify spectrum management compliance for radio frequency devices for operational use
  - Develop and implement spectrum management policy

Army Spectrum Management Office


Army Spectrum Management Office Stuart Timerman
Deputy Dave Pierce
Operations Branch Tom Hohn
Plans Branch Dave Pierce
DoD Area Frequency Coordinator WSMR Rick Wyman
DoD Area Frequency Coordinator AZ Ken Wong
Army Frequency Management Office – CONUS Ed Sanchez
Spectrum LNO – SIGCEN Ed Francis

- Enable electromagnetic spectrum compatible operations
- Optimize the spectrum supportability of spectrum-dependent systems
- Provide frequency assignments to support the operational and testing use of all Army systems
- Protect Army operational spectrum use through regulatory negotiations on the National and International levels

ASMO Organization

Army Spectrum Manager
Mr. Stu Timerman
Director

Administrative
Budget Analyst-Vonita Craft
Admin Assist-Sandra Richmond

Deputy
Director
Dave Pierce

Operations Branch
Mr. Thomas Hohn
Branch Chief

Frequency Manager-Authorizations/Deconfliction – Lori Poppenhager
Frequency Manager-Authorizations/Deconfliction – Rita Clark
Frequency Manager-Authorizations/Deconfliction – Aaron Dowdell
Frequency Manager-Authorizations/Deconfliction – Stephen Harris
Frequency Manager-Authorizations/Deconfliction – Melvin Ford
Frequency Manager-Authorizations/Deconfliction – Leo Fernandez
Frequency Manag[illegible]iction – Ken Lewallen
Frequency Manag[illegible]- vacant
Frequency Manag[illegible]-vacant
Sr. Operations NCO-Authorization/Coordination -MSG(P)

AFMO CONUS
Ed Sanchez
Branch Chief

Frequency Manager-Authorizations/Deconfliction –Luis "Guillo" Sanchez
Frequency Manager-Inst Spt/Assign - Fred Johnson
Frequency Manager-Inst Spt/Assign - Ben Perez
Frequency Manager-Inst Spt/Assign - Dave Rowe
Frequency Manager-Inst Spt/Assign - Randy Howard
Management Assist-Office Mgmt Spt – Mariano Ibarra

DOD Area Frequency Coordinator WSMR
Rick Wyman
Branch Chief

Electronic Engr- DOD Area Cord – vacant
Electronic Engr- DOD Area Cord – Don Baldwin
Program Analyst- Mary Kay Hayden

DOD Area Frequency Coordinator AZ
Mr. Ken Wong
Branch Chief

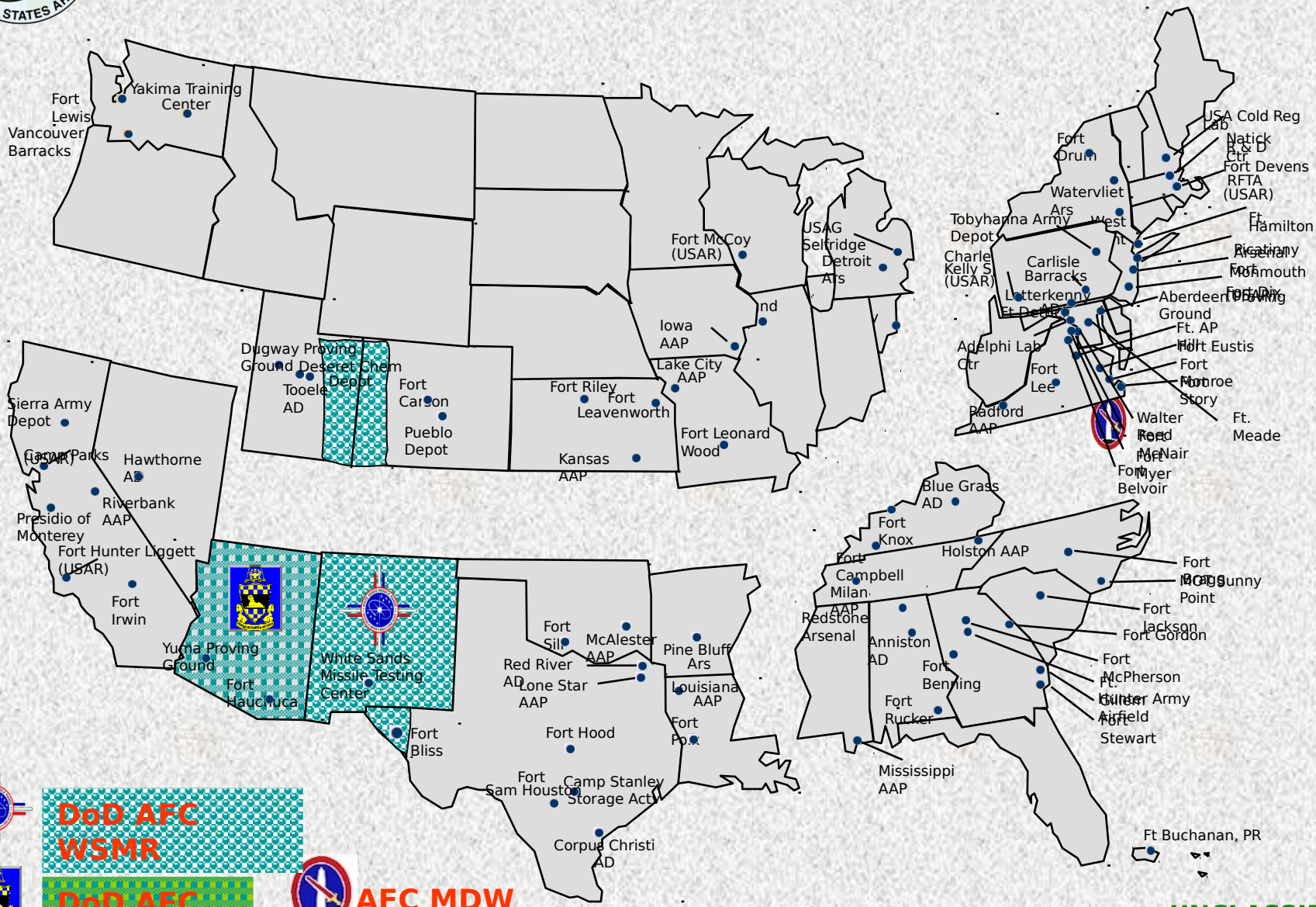
Electronic Engr- DOD Area Cord - Joe Loposzko
Management Assist-Off Mgmt Spt – Heather Davis

PLANS Branch (Dual-Hatted – Deputy Director)

Electronic Engr- Spectrum Cert – Art Radice
Electronic Engr- Spectrum Cert – Jim Thomas
Electronic Engr- Natl/IRAC – Stevan Jovancevic
Electronic Engr – International /IRAC – Carlos Flores
Electronic Engr- Radio Reg/Band Studies (vacant)

Fort Gordon/SIGCEN
Freq Spectrum Proponent
LNO
Ed Francis

AFMO-CONUS Aligned with Regions



DoD AFC WSMR

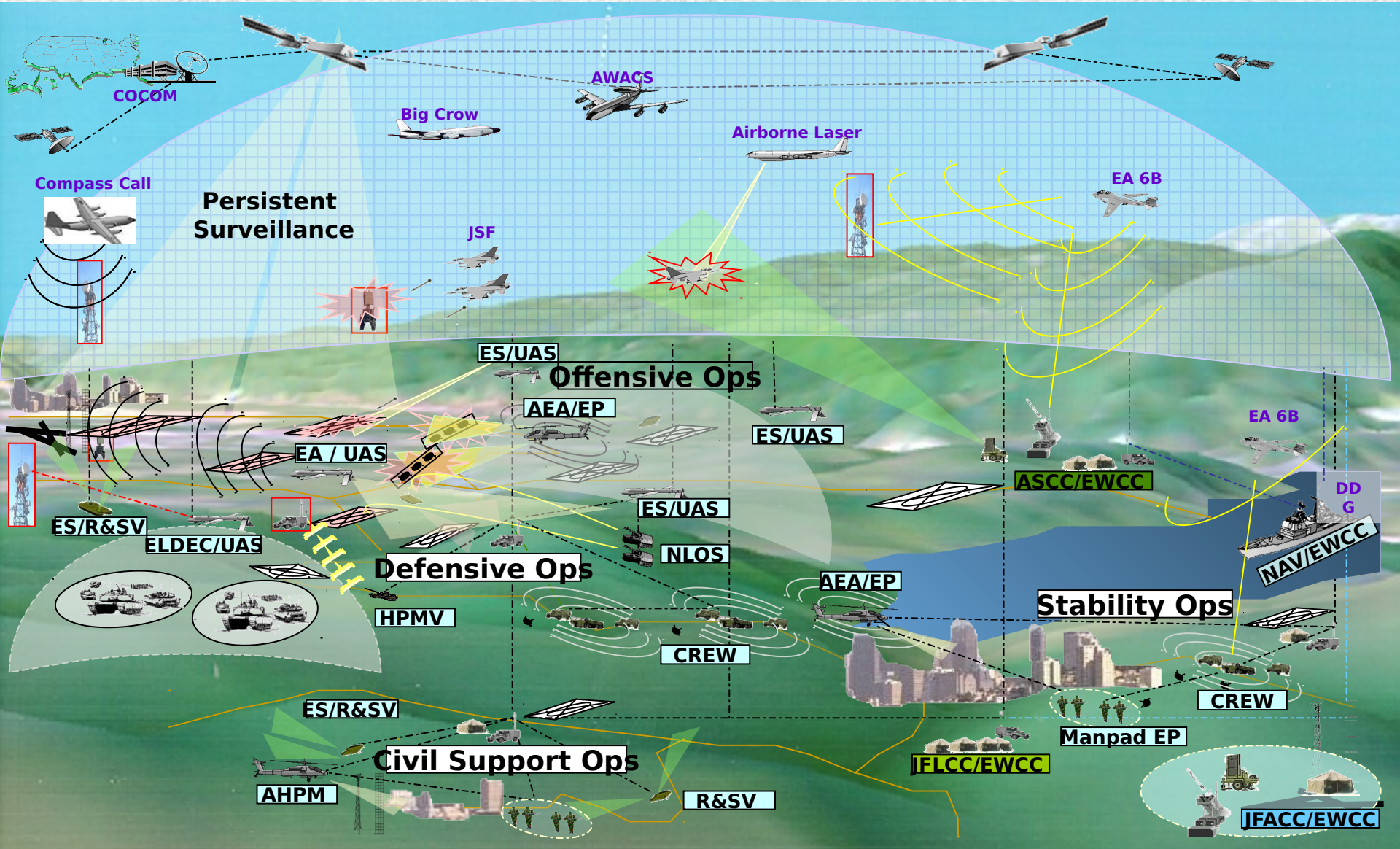
DoD AFC AZ

AFC MDW

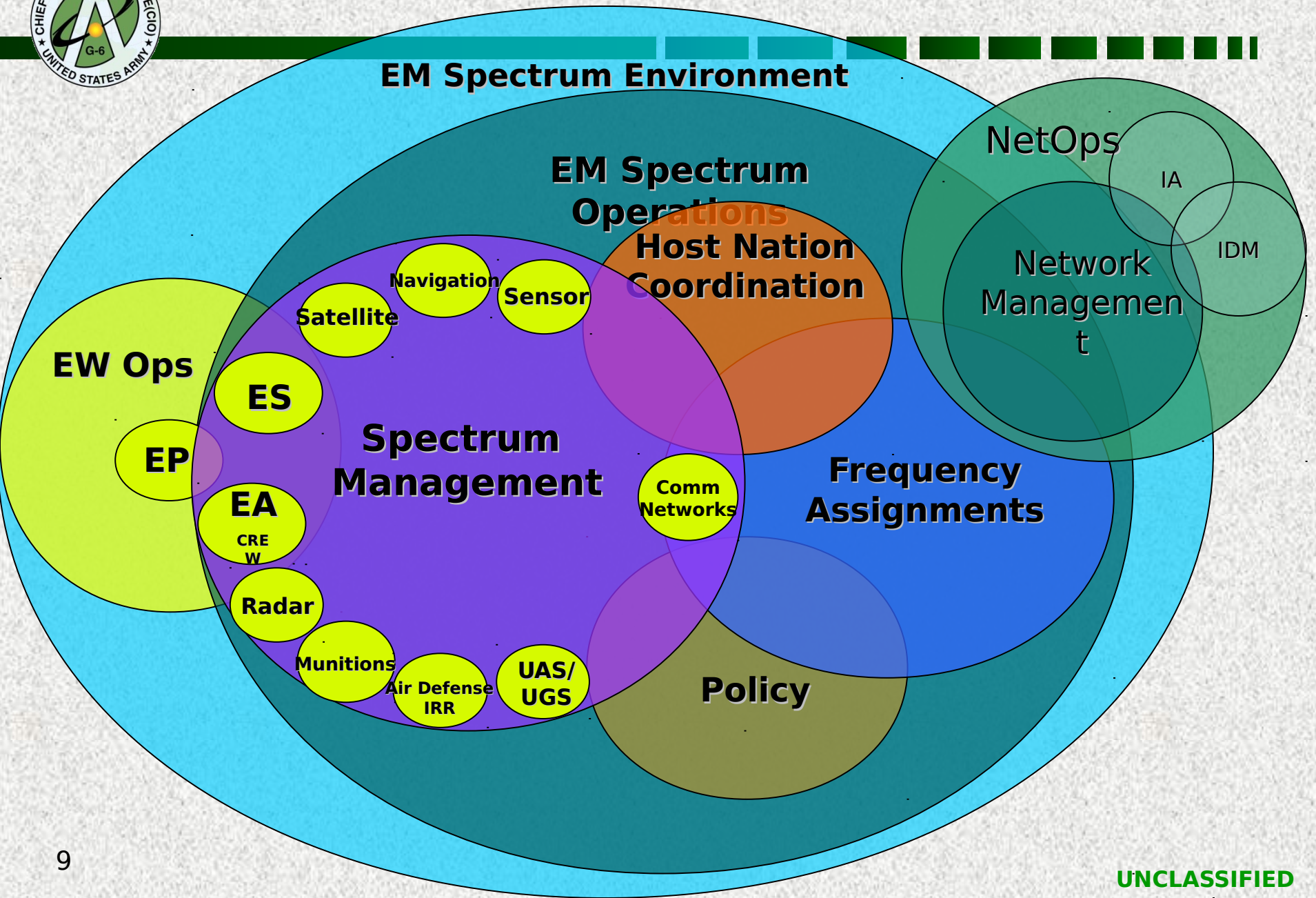
Spectrum Management Authority References

- OMB Circular A-11
  - No funds can be budgeted for a spectrum-dependent system until spectrum supportability has been determined
- DoDD 5000.2-R
  - Operation of Defense Acquisition Cycle
  - Spectrum supportability determination requirements prior to Milestone decisions
- DoDI 4650.01
  - Policy and Procedures for the Management and Use of the Electromagnetic Spectrum
- AR 5-12
  - Army Management of Electromagnetic Spectrum
- Allied Communications Publications (ACP) 190 US SUPP 1
  - Guide to frequency planning and DoD Area Frequency Coordinator alignment
- CJCSM 3212.02
  - Performance of electronic attack testing

Revisiting the Operational Environment



Electromagnetic Spectrum Operation (EMSO)



Stepstone Project

EQUIPMENT SPECTRUM CERTIFICATION

Site Overview

Apply for ESC

Provide Technical Data

Obtain Guidance

Department of Defense (DoD) policy and Federal regulations requires Equipment Spectrum Certification (ESC) to be performed for radio frequency (RF)-dependent systems before purchase by the DOD. ESC assesses the likelihood of obtaining needed frequencies when deployed. Past failures to obtain needed frequencies have resulted in loss of warfighter capabilities, expensive redesigns and electromagnetic interference.

This site provides an ESC overview, guidance and resources including an editor for ESC applications (i.e., Applications for Equipment Frequency Allocation). It also provides an equipment characteristics editor to gather technical RF data from manufacturers and system integrators.

more...

Quick Links:

- Home
- ESC Overview
- ESC Policies & Regulations
- ESC Guidance
- Application Editor
- Technical Data Editor
- Editor Help
- Line Diagram Template
- Cover Letter Template
- DD Form 1494
- ContactUs
- NTIA Red Book

Organizations:

- ASMO
- AFMO
- AFFMA
- NMSC
- NTIA
- JSC

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Spectrum Supportability Risk Assessments

- 8 Mar 07 All Army Action (ALARACT) Message
  - "NO ACQUISITION OR FIELDING OF EQUIPMENT THAT MAKES USE OF THE RADIO FREQUENCY SPECTRUM OCCURS WITHOUT FIRST OBTAINING AN APPROVED SPECTRUM SUPPORTABILITY DETERMINATION FROM THE ARMY CIO/G-6"
- Spectrum Supportability Risk Assessment Guide Book made available – Oct 2007 (Living Document)
  - https://www.us.army.mil/suite/folder/7585071
- AR 5-12 Currently Updated and Being Prepared for Army-wide Staffing
- 11 SSRAs have been submitted to ASMO with 5 in PM review process preparing for submittal
- Looking at the "next step" – Modeling and Simulation
  - Initiated discussion with the Ft. Gordon Battle Lab for use of the Spectrum Analysis and Modeling System (SAMS)

Points of Contact

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